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1   ACM SIGGRAPH Computer Graphics: Volume 37 Issue 2
May 2003   SIGGRAPH Computer Graphics
Publisher: ACM
Additional Information: full citation
Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

2   Communications of the ACM: Volume 51 Issue 11
November 2008   Communications of the ACM
Publisher: ACM
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3   Communications of the ACM: Volume 51 Issue 2
February 2008   Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (3.89 MB)   Additional Information: full citation
Bibliometrics: Downloads (6 Weeks): 287,   Downloads (12 Months): 2135,   Citation Count: 0

4   Design and technology for Collaborage: collaborative collages of information on physical walls
Thomas P. Moran, Eric Saund, William Van Melle, Anuj U. Gujar, Kenneth P. Fishkin, Beverly L. Harrison
November 1999   **UIST '99:** Proceedings of the 12th annual ACM symposium on User interface software and technology
Publisher: ACM   Request Permissions
Full text available: Pdf (1.28 MB)   Additional Information: full citation, abstract, references, cited by, index terms
Bibliometrics: Downloads (6 Weeks): 9,   Downloads (12 Months): 61,   Citation Count: 22

A Collaborage is a collaborative collage of physically represented information on a surface that is connected with electronic information, such as a physical In/Out board connected to a people-locator database. The physical surface (board) ...

Keywords: collaboration, physical-virtual, roomware, tangible UI

5 CHI '08 extended abstracts on Human factors in computing systems

Mary Czerwinski, Arnie Lund, Desney Tan

April 2008   **CHI '08:** CHI '08 extended abstracts on Human factors in computing systems

Publisher: ACM

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

6 Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems

Mary Czerwinski, Arnie Lund, Desney Tan

April 2008   **CHI '08:** Proceeding of the twenty-sixth annual SIGCHI conference on Human factors in computing systems

Publisher: ACM

Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

7 Hypertext versus Boolean access to biomedical information: a comparison of effectiveness, efficiency, and user preferences

Barbara M. Wildemuth, Charles P. Friedman, Stephen M. Downs

June 1998   **Transactions on Computer-Human Interaction (TOCHI)** , Volume 5 Issue 2

Publisher: ACM   Request Permissions

Full text available: Pdf (378.56 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 7,   Downloads (12 Months): 47,   Citation Count: 5

This study compared of two modes of access to a biomedical database, in terms of their effectiveness and efficiency in supporting clinical problem solving and in terms of user preferences. Boolean access, which allowed subjects to frame their queries ...

Keywords: domain knowledge, intellectual access, medical education, problem solving, usage effectiveness, usage efficiency, user preferences

8 "Physical hypermedia": organising collections of mixed physical and digital material

Kaj Grønbæk, Jannie F. Kristensen, Peter Ørbæk, Mette Agger Eriksen

August 2003 **HYPERTEXT '03:** Proceedings of the fourteenth ACM conference on Hypertext and hypermedia
Publisher: ACM 〉 Request Permissions

Full text available: 📄 Pdf (841.02 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 91, Citation Count: 20

This paper addresses the problem of organizing material in mixed digital and physical environments. It presents empirical examples of how people use collectional artefacts and organize physical material such as paper, samples, models, mock-ups, plans, ...

Keywords: augmented reality, collections of materials, physical and digital, spatial hypermedia, tagging

9 Communications of the ACM: Volume 51 Issue 6

June 2008 Communications of the ACM
Publisher: ACM

Full text available: 📄 Digital Edition , 📄 Pdf (8.89 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 206, Downloads (12 Months): 2838, Citation Count: 0

10 Paper windows: interaction techniques for digital paper

David Holman, Roel Vertegaal, Mark Altosaar, Nikolaus Troje, Derek Johns

April 2005 **CHI '05:** Proceedings of the SIGCHI conference on Human factors in computing systems
Publisher: ACM 〉 Request Permissions

Full text available: 📄 Pdf (425.87 KB) Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 37, Downloads (12 Months): 246, Citation Count: 17

In this paper, we present Paper Windows, a prototype windowing environment that simulates the use of digital paper displays. By projecting windows on physical paper, Paper Windows allows the capturing of physical affordances of paper in a digital world. ...

Keywords: digital paper interfaces, flexible displays, ubiquitous computing

11 Communications of the ACM: Volume 51 Issue 12

December 2008 Communications of the ACM
Publisher: ACM

Full text available: 📄 Digital Edition , 📄 Pdf (6.91 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 375, Downloads (12 Months): 3897, Citation Count: 0

12 Communications of the ACM: Volume 52 Issue 3

March 2009   Communications of the ACM
Publisher: ACM

Full text available: Digital Edition , Pdf (7.04 MB)   Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 414, Downloads (12 Months): 2528, Citation Count: 0

13 Proceedings of the 2009 joint international conference on Digital libraries

Fred Heath, Mary Lynn Rice-Lively, Richard Furuta
June   **JCDL '09:** Proceedings of the 2009 joint international conference on Digital
2009   libraries
Publisher: ACM

Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): n/a, Downloads (12 Months): n/a, Citation Count: 0

Welcome to JCDL 2009! We are delighted to welcome you back to Texas for the 9
th annual international Joint Conference on Digital Libraries. Since its initiation in
2001, JCDL has continued to be the major international forum for research,
practice, ...

14 Projectors: advanced graphics and vision techniques

Ramesh Raskar
August 2004   **SIGGRAPH '04:** SIGGRAPH 2004 Course Notes
Publisher: ACM   Request Permissions

Full text available: Pdf (6.53 MB)   Additional Information: full citation, cited by

Bibliometrics: Downloads (6 Weeks): 82, Downloads (12 Months): 628, Citation Count: 1

15 Sharing digital photographs in the home through physical mementos,
souvenirs, and keepsakes

Michael Nunes, Saul Greenberg, Carman Neustaedter
February   **DIS '08:** Proceedings of the 7th ACM conference on Designing
2008   interactive systems
Publisher: ACM

Full text available: Pdf (506.01 KB)   Additional Information: full citation, abstract, references, cited by,
index terms

Bibliometrics: Downloads (6 Weeks): 12, Downloads (12 Months): 150, Citation Count: 3

People now easily share digital photos outside the home via web publishing and
gift-giving. Yet within the home, digital photos are hard to access and lack the
physical affordances that make sharing easy and opportunistic. To promote in-
home photo sharing, ...

Keywords: digital photo management, ubiquitous computing

16 Augmenting paper to enhance community information sharing

Antonietta Grasso, Alain Karsenty, Marco Susani

April 2000 · **DARE '00:** Proceedings of DARE 2000 on Designing augmented reality environments

Publisher: ACM

Full text available: Pdf (903.95 KB) · Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): **11,** Downloads (12 Months): **66,** Citation Count: **3**

Paper is traditionally considered as a major gap between the physical and electronic worlds, especially after the many attempts that have failed to attain a completely digital world. Paper based artifacts have many affordances that people want to continue ...

Keywords: augmented reality, paper user interface, recommender systems

17 Supporting the creation of hybrid museum experiences

Boriana Koleva, Stefan Rennick Egglestone, Holger Schnädelbach, Kevin Glover, Chris Greenhalgh, Tom Rodden, Martyn Dade-Robertson

April 2009 · **CHI '09:** Proceedings of the 27th international conference on Human factors in computing systems

Publisher: ACM ◇ Request Permissions

Full text available: Pdf (6.40 MB) · Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): **29,** Downloads (12 Months): **131,** Citation Count: **0**

This paper presents the evolution of a tool to support the rapid prototyping of hybrid museum experiences by domain professionals. The developed tool uses visual markers to associate digital resources with physical artefacts. We present the iterative ...

Keywords: authoring tools, hybrid physical-digital artifacts, museum applications, prototyping

18 MEMENTO: a digital-physical scrapbook for memory sharing

David West, Aaron Quigley, Judy Kay

April 2007 · **Personal and Ubiquitous Computing** , Volume 11 Issue 4

Publisher: Springer-Verlag

Full text available: Pdf (406.80 KB) · Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): **18,** Downloads (12 Months): **180,** Citation Count: **2**

The act of reminiscence is an important element of many interpersonal activities, especially for elders where the therapeutic benefits are well understood. Individuals typically use various objects as memory aids in the act of recalling, sharing and ...

Keywords: Memory sharing, Mixed-media environments, Pen and paper user interfaces, Physical interfaces, Reminiscence, Story telling, Tangible user interfaces

19 Living on the bleeding edge: creating and managing highly specialized student labs

Deborah Cherry, Paul Phillabaum, Pomona Valero

October 2000   **SIGUCCS '00:** Proceedings of the 28th annual ACM SIGUCCS conference on User services: Building the future

Publisher: ACM Request Permissions

Full text available: pdf (211.74 KB)   Additional Information: full citation, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 25, Citation Count: 3

Keywords: audio, digital media, high-end, labs, multimedia, specialty, video

20 Distributed meetings: a meeting capture and broadcasting system

Ross Cutler, Yong Rui, Anoop Gupta, JJ Cadiz, Ivan Tashev, Li-wei He, Alex Colburn, Zhengyou Zhang, Zicheng Liu, Steve Silverberg

December 2002   **MULTIMEDIA '02:** Proceedings of the tenth ACM international conference on Multimedia

Publisher: ACM Request Permissions

Full text available: pdf (509.26 KB)   Additional Information: full citation, abstract, references, cited by, index terms

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 81, Citation Count: 25

The common meeting is an integral part of everyday life for most workgroups. However, due to travel, time, or other constraints, people are often not able to attend all the meetings they need to. Teleconferencing and recording of meetings can address ...

Keywords: 360 degree video, meeting capture, meeting indexing, microphone array, teleconferencing

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